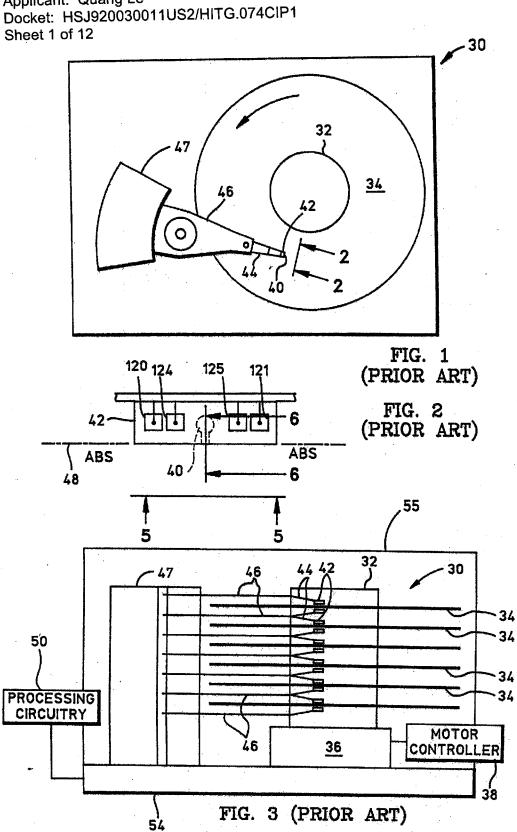
Applicant: Quang Le



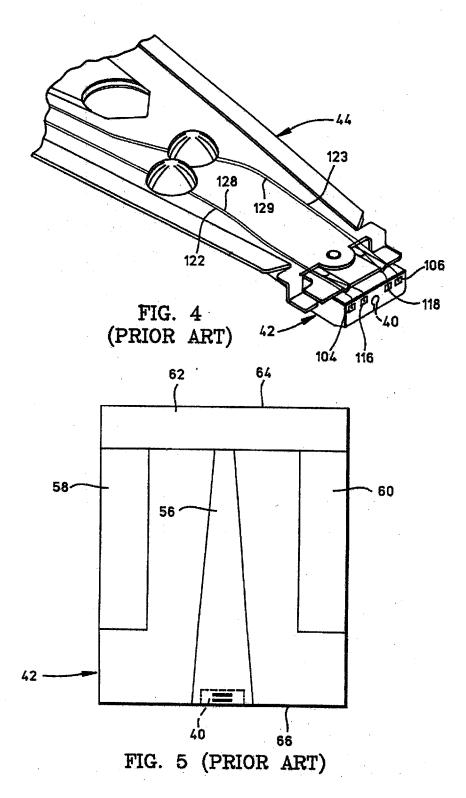
Title: A PERPENDICULAR RECORDING MAGNETIC HEAD WITH A WRITE SHIELD MAGNETICALLY

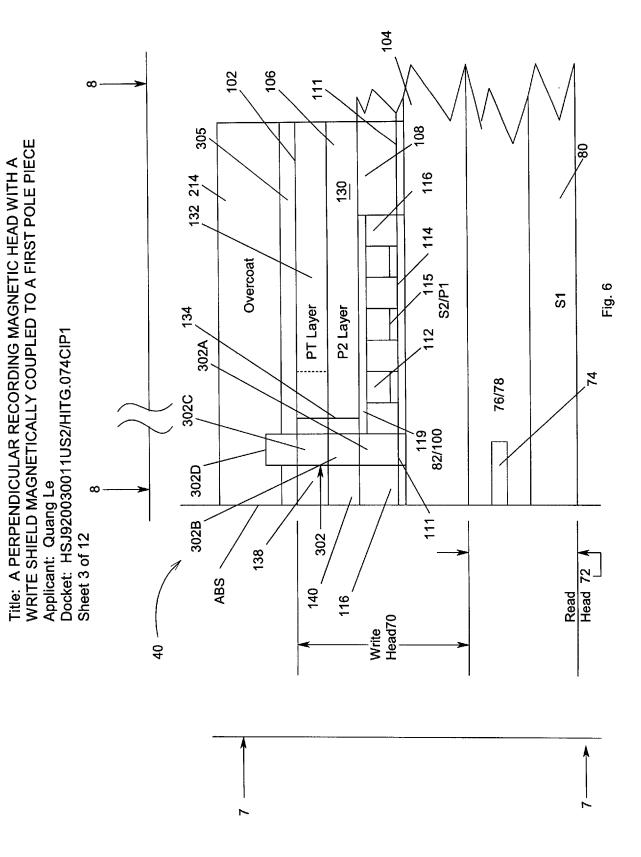
COUPLED TO A FIRST POLE PIECE

Applicant: Quang Le

Docket: HSJ920030011US2/HITG.074CIP1

Sheet 2 of 12

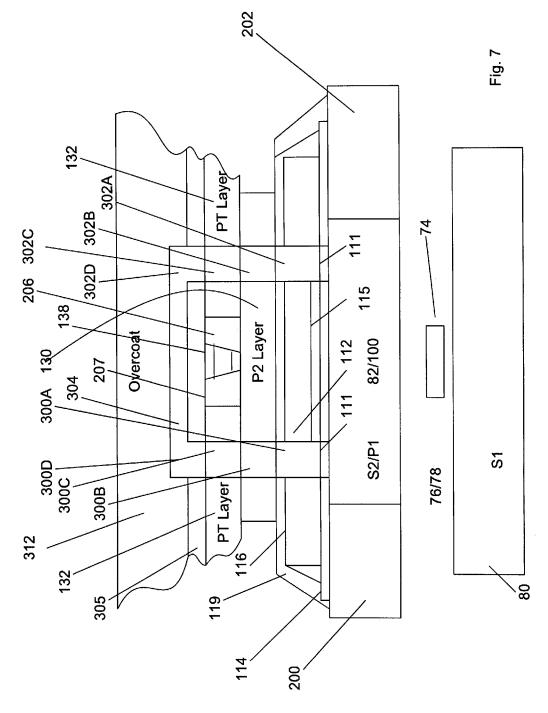




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Applicant: Quang Le Docket: HSJ920030011US2/HITG.074CIP1

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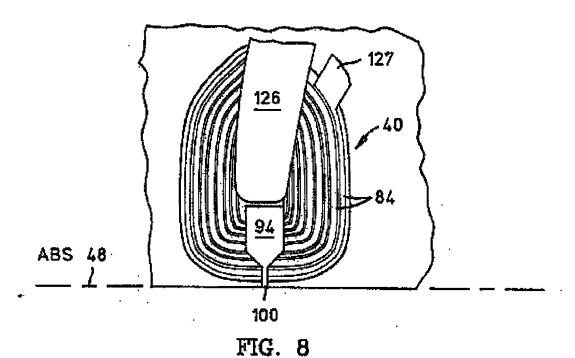
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COUPLED TO A FIRST POLE PIECE

Applicant: Quang Le

Docket: HSJ920030011US2/HITG.074CIP1

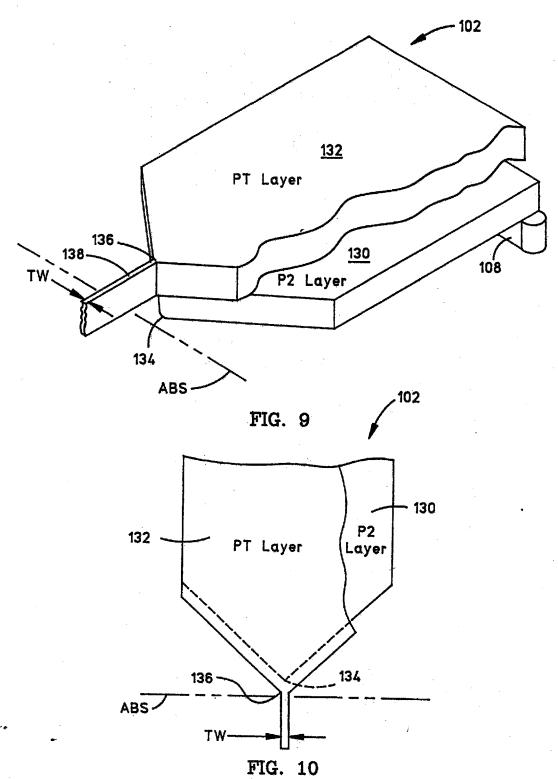
Sheet 5 of 12



Applicant: Quang Le

Docket: HSJ920030011US2/HITG.074CIP1

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302A 111 119/11 112/15 80 Fig. 12B 80[′] Fig. 11B 82/100 Title: A PERPENDICULAR RECORDING MAGNETIC HEAD WITH A WRITE SHIELD MAGNETICALLY COUPLED TO A FIRST POLE PIECE 300A 82/100 26/78 116 Applicant: Quang Le Docket: HSJ920030011US2/HITG.074CIP1 Sheet 7 of 12 200 108 80 80 82/100 116 114 Fig. 11A Fig. 12A 76/78 82/100 76/78 | 111 302A 119 74 74 ABS ABS

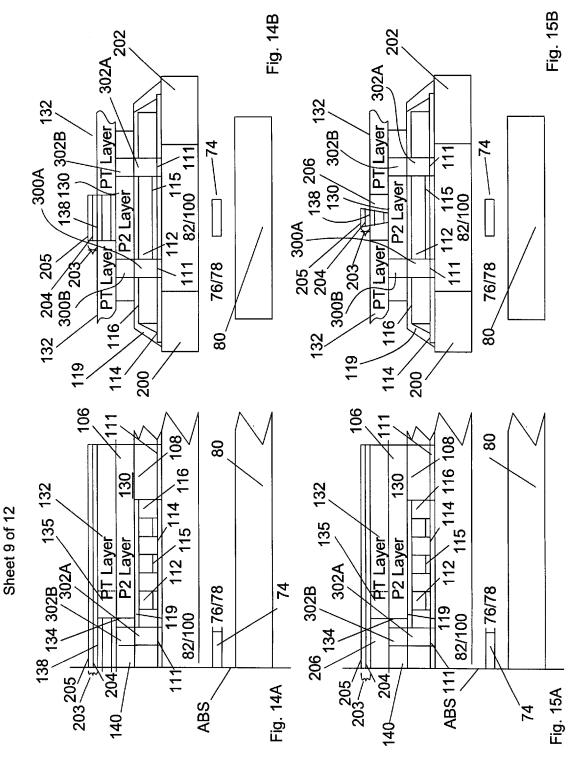
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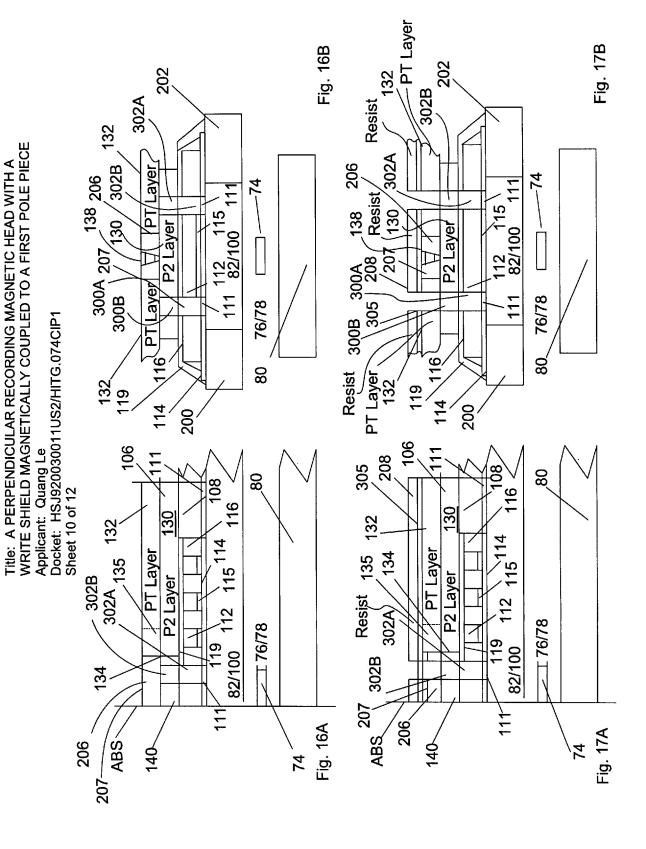
Applicant: Quang Le Docket: HSJ920030011US2/HITG.074CIP1 Sheet 8 of 12

202 302A 111 302B 74 115/ 300A 130 Fig. 13B ∕P2 Layer 82/100 111 80 76/78 300B 119 200 116 114 108 106 80 116 130 114 115 Fig. 13A 82/100 76/78 P2 Layer 112 /302A 119/ 74 134 302B ABS

Title: A PERPENDICULAR RECORDING MAGNETIC HEAD WITH A WRITE SHIELD MAGNETICALLY COUPLED TO A FIRST POLE PIECE

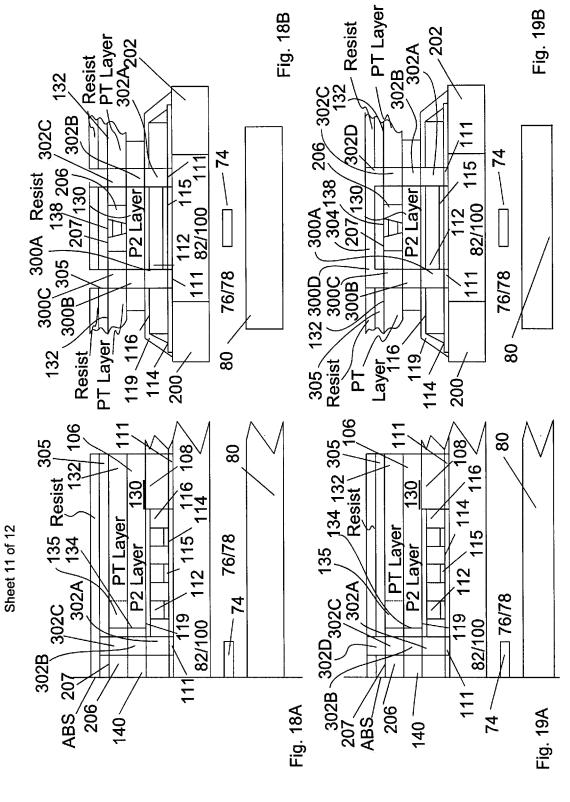
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Title: A PERPENDICULAR RECORDING MAGNETIC HEAD WITH A WRITE SHIELD MAGNETICALLY COUPLED TO A FIRST POLE PIECE

Applicant: Quang Le Docket: HSJ920030011US2/HITG.074CIP1



PT Layer 302C Seed-Layer 302C 302B 302A - 132 PT Layer 202 202 302D Fig. 21B Fig. 20B √ 302B
302A 302D 132 138 206 207 206 300D 130 304 138/ 206/ 74 74 115 115 300D 130 C 304 P2 Layer P2 Layer Overcoat 82/100 82/100 300C 300B \ 111 76/78 76/78 300C 300C 300A 200 80. Applicant: Quang Le Docket: HSJ920030011US2/HITG.074CIP1 Sheet 12 of 12 Seed-Layer PT Layer PT Layer 80 305 132 312′ 132^ 305 300A, 116 200 116 139 114 114 119 132 312 305 106 106 80 8 305 8 80 16 130′ 130 132 7 Seed-Layer 134 135 PT Layer 76/78 PT Layer Overcoat P2 Layer P2 Layer -134112 **27/92** 19 <u>7</u> 135 82/100 302A 82/100 302C_302A 302D - 907 140 ABS ~ 140 Fig. 21A Fig. 20A 74 302C 302B -302D 207 ABS-302B ~ 207~